

**ASS1 / ASS Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS13090**

**Specification**

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**ASS1 / ASS Antibody (Internal) - Product Information**

Application	IHC
Primary Accession	<a href="#">P00966</a>
Reactivity	Human, Mouse, Rat, Monkey, Pig, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	47kDa KDa

**ASS1 / ASS Antibody (Internal) - Additional Information**

**Gene ID** 445

**Other Names**

Argininosuccinate synthase, 6.3.4.5, Citrulline--aspartate ligase, ASS1, ASS

**Target/Specificity**

Human ASS1. The variants represent identical protein (NP\_000041.2 and NP\_446464.1).

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

ASS1 / ASS Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**ASS1 / ASS Antibody (Internal) - Protein Information**

**Name** ASS1 ([HGNC:758](#))

**Function**

One of the enzymes of the urea cycle, the metabolic pathway transforming neurotoxic ammonia produced by protein catabolism into innocuous urea in the liver of ureotelic animals. Catalyzes the formation of argininosuccinate from aspartate, citrulline and ATP and together with ASL it is responsible for the biosynthesis of arginine in most body tissues.

**Cellular Location**

Cytoplasm, cytosol

**Tissue Location**

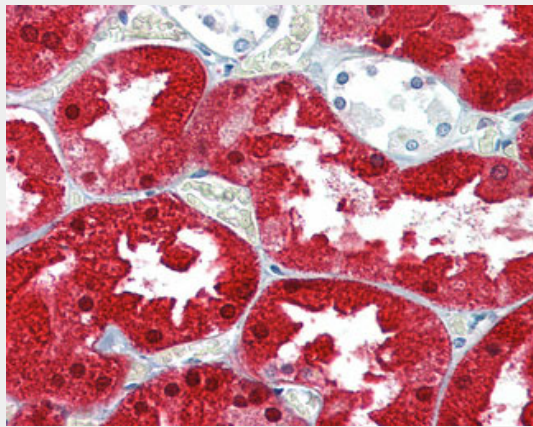
Expressed in adult liver.

## ASS1 / ASS Antibody (Internal) - Protocols

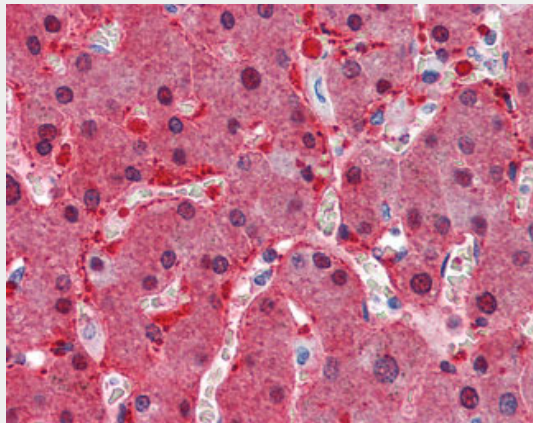
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## ASS1 / ASS Antibody (Internal) - Images



Anti-ASS1 antibody IHC of human kidney.



Anti-ASS1 antibody IHC of human liver.

## ASS1 / ASS Antibody (Internal) - Background

Is indirectly involved in the control of blood pressure.

## ASS1 / ASS Antibody (Internal) - References

- Bock H.-G.O., et al. *Nucleic Acids Res.* 11:6505-6512(1983).  
Freytag S.O., et al. *J. Biol. Chem.* 259:3160-3166(1984).  
Haerberle J., et al. *Hum. Genet.* 110:327-333(2002).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).

Jinno Y., et al. J. Inherit. Metab. Dis. 8:157-159(1985).